Table 3.5: Emissions reductions strategies proposed for the Local Reductions Case.

Proposed Measure	**Emissions Reduction Estimate**	**Fraction of Anthropogenic Emissions in the Valley or Fraction of Power Plant Emissions**
Idling reduction for heavy-duty diesel trucks	NO_x = 6% VOC = 10% PM = 1.5% if half of all trucks use idling alternatives	NO_x = 7.5% VOC = 3.6% PM = 0.2%
Low- or zero-VOC paint	VOC = 97-99% of paint and solvent emissions	VOC = 11%
Fluorescent lighting	NO_x = 15% PM = 15% SO2 = 15% of the valley's share of power plant emissions, assuming all lightbulbs are replaced	1.5% of all VISTAS powerplant emissions are due to Shenandoah Valley usage
Retrofitting school buses and city buses	NO_x = 40% PM = 40%	NO_x = 5.8% PM = 0.7%
Green buildings	NO_x = 15% PM = 15% SO2 = 15% of the valley's share of power plant emissions	1.5% of all VISTAS powerplant emissions are due to Shenandoah Valley usage
Lower storage emissions	VOC = 60%	VOC = 9%
Clean lawnmowers	CO = 50% NO_x = 50% VOC = 50% PM = 50% of lawnmower emissions if half of all mowers are replaced	NO_x = 15% VOC = 6% PM = 10%
Reformulated gasoline	NO_x = 26% VOC = 31% of gasoline-powered vehicle emissions	NO_x = 58% VOC = 17%
More public transport, biking, walking options	CO = 10% NO_x = 10% VOC = 10% PM = 10% of gasoline-powered vehicle emissions	NO_x = 58% VOC = 17% PM = 7%